Title (en)

METHOD TO IMPROVE LACTOCOCCUS PRESERVATION

Title (de)

VERFAHREN ZUR VERBESSERUNG DER AUFBEWAHRUNG VON LACTOCOCCUS

Title (fr)

PROCÉDÉ DE L'AMÉLIORATION DE LA PRÉSERVATION DE LACTOCOCCUS

Publication

EP 1789529 B1 20131002 (EN)

Application

EP 05792126 A 20050818

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- EP 05792126 A 20050818

Abstract (en)

[origin: WO2006018446A2] The present invention relates to Lactococcus lactis strains with improved preservation characteristics, and improved acid and bile salt tolerance. More specifically, the invention relates to a L. lactis strain comprising a heterologous trehalose-6-phosphate synthase gene and/or a trehalose-6-phosphate phosphatase gene, resulting in an accumulation of trehalose in the cytoplasm and/or in the cytoplasmic membrane. It further relates to a L. lactis strain, whereby said trehalose accumulation results in an internal trehalose concentration of at least 10 mg per gram cells (ww).

IPC 8 full level

C12N 1/04 (2006.01)

CPC (source: EP US)

C12N 1/04 (2013.01 - EP US); **C12N 15/746** (2013.01 - US)

Citation (examination)

HUGENHOLTZ J. AND SMID, E.: "Nutraceutical production with food-grade microorganisms", CURRENT OPINION IN BIOTECHNOLOGY, vol. 13, 2002, pages 497 - 507, XP002593878

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US10064797B2; US9889165B2; US10293007B2; US11207357B2; WO2014025938A1; US9234204B2; US9453232B2; US9868957B2

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